OIPE JC#1768
MAR 1 2 2002
PATENT & TRADEMARK OFFICE

$1632
#Dia
3/22/02

PATENT
ATTORNEY DOCKET NO. 04843/080001

Certificate of Mailing: Date of Deposit: March 6, 2002

I hereby certify under 37 C.F.R. § 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Julie A. Bowen
Printed name of person mailing correspondence

Julie A Bowen
Signature of person mailing correspondence

RECEIVED
MAR 2 0 2002
TECH CENTER 1600/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Ole Isacson et al.	Art Unit:	1632
Serial No.:	09/626,677	Examiner:	A. Baker
Filed:	July 27, 2000	Customer No.:	21559
Title:	CELL IMPLANTATION THERAPY FOR NEURODEGENERATIVE DISEASES OR DISORDERS		

Assistant Commissioner for Patents
Washington, D.C. 20231

REPLY TO EXAMINER'S ACTION

In reply to the Examiner's Action mailed October 4, 2001, Applicants submit the following remarks.

The Invention

The invention features methods for treating neurodegenerative disorders by transplanting into patients lineage-restricted progenitors generated from embryonic stem cells. The stem cells are transformed, *ex vivo*, to express one or more cell fate-inducing genes which direct their differentiation into a neuronal or glial cell type. These transformed cells are transplanted into the nervous system of the patient. Suitable cell fate-inducing genes are disclosed in the specification.